ELSEVIER

Precambrian Research 157 (2007) v–vi

Precambrian Research

www.elsevier.com/locate/precamres

Special Issue
Proterozoic tectonic and crustal evolution of the Upper Great Lakes region, North America

Guest Editors:
Daniel K. Holm, David Schneider and Val W. Chandler

CONTENTS

Proterozoic tectonic and crustal evolution of the Upper Great Lakes region, North America
D.K. Holm, D. Schneider and V.W. Chandler 1
The Penokean orogeny in the Lake Superior region
K.J. Schulz and W.F. Cannon 4
Penokean tectonics along a promontory-embayment margin in east-central Minnesota
V.W. Chandler, T.J. Boerboom and M.A. Jirsa 26
Structure, geochemistry and geochronology of a Penokean Lamprophyre Dike Swarm, Archean Wawa Terrane, Little Presque Isle, Michigan, USA
J.P. Craddock, J. Anziano, K. Wirth, J.D. Vervoort, B. Singer and X. Zhang 50
Reinterpretation of Paleoproterozoic accretionary boundaries of the north-central United States based on a new aeromagnetic-geologic compilation
NICE (Northern Interior Continental Evolution) Working Group, D.K. Holm, R. Anderson, T.J. Boerboom, W.F. Cannon, V. Chandler, M. Jirsa, J. Miller, D.A. Schneider, K.J. Schulz and W.R. Van Schmus 71
New insights into the southern margin of the Archean–Proterozoic boundary in the north-central United States based on U–Pb, Sm–Nd, and Ar–Ar geochronology
W.R. Van Schmus, D.A. Schneider, D.K. Holm, S. Dodson and B.K. Nelson 80
Proterozoic metamorphism and cooling in the southern Lake Superior region, North America and its bearing on crustal evolution
D.K. Holm, D.A. Schneider, S. Rose, C. Mancuso, M. McKenzie, K.A. Foland and K.V. Hodges 106
Geochronology of Proterozoic metamorphism in the deformed Southern Province, northern Lake Huron region, Canada
P. Piercey, D.A. Schneider and D.K. Holm 127
Late Paleoproterozoic (geon 18 and 17) reactivation of the Neoarchean Great Lakes Tectonic Zone, northern Michigan, USA: Evidence from kinematic analysis, thermobarometry and $^{40}Ar/^{39}Ar$ geochronology
E. Tohver, D.K. Holm, B.A. van der Pluijm, E.J. Essene and F.W. Cambray 144
Thermal history of low metamorphic grade Paleoproterozoic sedimentary rocks of the Penokean orogen, Lake Superior region: Evidence for a widespread 1786 Ma overprint based on xenotime geochronology
D.A. Vallini, W.F. Cannon, K.J. Schulz and N.J. McNaughton 169
Two Paleoproterozoic (Statherian) siliciclastic metasedimentary sequences in central Wisconsin: The end of the Penokean Orogeny and cratonic stabilization of the southern Lake Superior region
L.G. Medaris Jr., W.R. Van Schmus, J. Loofboro, P.J. Stonier, X. Zhang, D.K. Holm, B.S. Singer and R.H. Dott Jr. 188
Geometry and folding history of the Baraboo Syncline: Implications for the Mazatzal Orogeny in the north-central U.S.
D.M. Czeck and C.J. Ormand 203

doi:10.1016/S0301-9268(07)00171-4

Erratum to "Tectonic implications of finite strain variations in Baraboo-interval quartzites (ca. 1700 Ma), Mazatzal orogen, Wisconsin and Minnesota, USA" [Precambrian Res. 156 (2007) 175–194]
J.P. Craddock and A.W. McKiernan 214
U–Pb geochronology of the Wolf River batholith, north-central Wisconsin: Evidence for successive magmatism between 1484 Ma and 1468 Ma
T.J. Dewane and W.R. Van Schmus 215
The magmatic evolution of the Midcontinent rift: New geochronologic and geochemical evidence from felsic magmatism
J.D. Vervoort, K. Wirth, B. Kennedy, T. Sandland and K.S. Harpp 235
The Sonju Lake layered intrusion, northeast Minnesota: Internal structure and emplacement history inferred from magnetic fabrics
S.M. Maes, B. Tikoff, E.C. Ferré, P.E. Brown and J.D. Miller Jr. 269
Deep faulting and structural reactivation beneath the southern Illinois basin
J.H. McBride, H.E. Leetaru, R.A. Bauer, B.E. Tingey and S.E.A. Schmidt 289